



FortiGate® 3240C
10 GE Consolidated
Security Appliances



FortiGate 3240C

FortiGate 3240C and 3240C-DC

FortiGate 3240C consolidated security appliances offer exceptional levels of performance, deployment flexibility, and security for large enterprise networks. Built from the ground up by Fortinet, these appliances deliver superior performance through a combination of custom hardware, including FortiASIC™ processors, high port density, and consolidated security features from the FortiOS™ operating system. Whether protecting virtualized infrastructure, cloud-providing infrastructure, or traditional IT infrastructure, 10-Gigabit Ethernet (10 GE) ports and up to 40 Gbps of firewall throughput make these appliances ideal for securing high-bandwidth networks.

Consolidated Security

Using the advanced FortiOS operating system, FortiGate 3240C appliances effectively neutralize a wide range of network security threats. Whether deployed as high-performance firewalls or as comprehensive multi-threat security solutions, these dedicated appliances protect assets with some of the most effective security available today.

Highlights

Firewall Performance	IPS Performance	Interfaces
40 Gbps	8 Gbps	Multiple 10 GE SFP+, GE SFP and GE RJ45

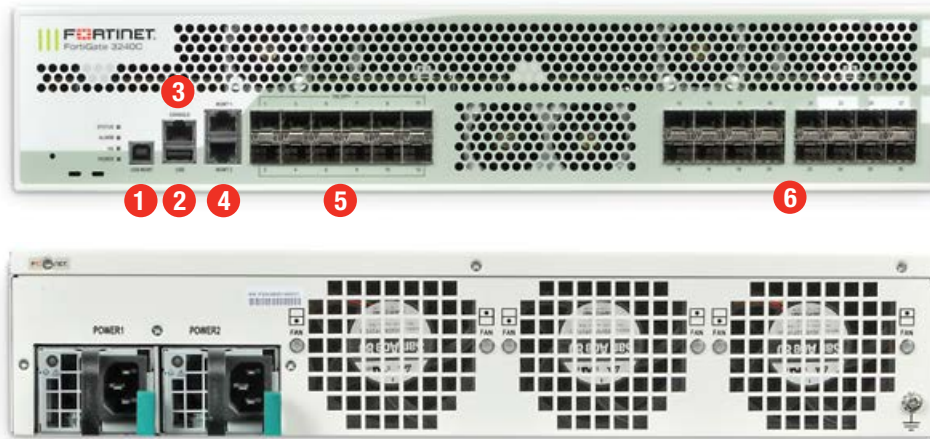
Features & Benefits

- Industry-leading 10x data center firewall offers exceptional throughput and ultra-low latency
- Highly available and Virtual Domain (VDOM) support for multi-tenant data center environment
- Integrated high-speed 10 GE+ port delivers maximum flexibility and scalability
- Intuitive management interface enables broad and deep visibility and control
- NSS Labs Recommended consolidated security delivers top-rated protection



HARDWARE

FortiGate 3240C



Interfaces

1. USB Management Port
2. USB Port
3. Console Port

4. 2x GE RJ45 Management Ports
5. 12x 10 GE Accelerated SFP+ Slots (2x transceivers default)
6. 16x GE Accelerated SFP Slots



Powered by FortiASICs

- Custom FortiASIC™ processors deliver the power you need to detect malicious content at multi-Gigabit speeds
- Other security technologies cannot protect against today's wide range of content- and connection-based threats because they rely on general-purpose CPUs, causing a dangerous performance gap
- FortiASIC processors provide the performance needed to block emerging threats, meet rigorous third-party certifications, and ensure that your network security solution does not become a network bottleneck

Network Processor

FortiASIC NP4 network processor works inline with FortiOS functions delivering:

- Superior firewall performance for IPv4 traffic with ultra-low latency down to 3 microseconds
- VPN acceleration

Content Processor

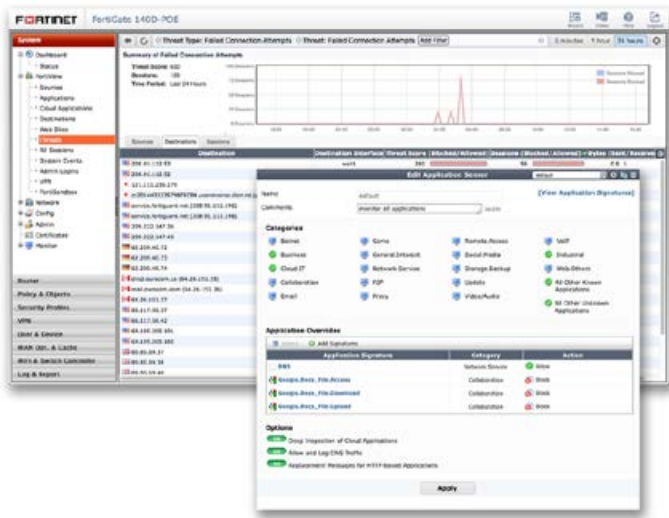
The FortiASIC CP8 content processor works outside of the direct flow of traffic, providing high-speed cryptography and content inspection services including:

- Signature-based content inspection acceleration
- Encryption and decryption offloading

10 GE Connectivity for Network Segmentation

High speed connectivity is essential for network security segmentation at the core of data networks. The FortiGate 3240C provides the highest 10 GE port densities in the market, simplifying network designs without relying on additional devices to bridge desired connectivity.

SOFTWARE



FortiOS Management UI — FortiView and Application Control Panel

FortiOS

FortiOS helps you protect your organization against advanced threats, configure and deploy your network security faster and see deep into what's happening inside your network. It enables organization to set up policies specific to types of devices, users and applications with industry-leading security capabilities. FortiOS leverages custom FortiASICs and the Optimum Path Processing architecture of FortiGate to deliver 5 times faster throughput performance. In essence, FortiOS delivers:

- **Comprehensive Security** — Control thousands of applications and stop more threats with NSS Labs Recommended IPS, sandboxing, VB100 certified antimalware and more.
- **Superior Control and Visibility** — Stay in control with rich visibility over network traffic, granular policy control, and intuitive, scalable security and network management.
- **Robust Networking Capabilities** — Optimize your network with extensive switching and routing, high availability, WAN optimization, embedded WiFi controller, and a range of virtual options.



For more information, please refer to the FortiOS data sheet available at www.fortinet.com

SERVICES

FortiGuard™ Security Services

FortiGuard Labs offers real-time intelligence on the threat landscape, delivering comprehensive security updates across the full range of Fortinet's solutions. Comprised of security threat researchers, engineers, and forensic specialists, the team collaborates with the world's leading threat monitoring organizations, other network and security vendors, as well as law enforcement agencies:

- **Real-time Updates** — 24x7x365 Global Operations research security intelligence, distributed via Fortinet Distributed Network to all Fortinet platforms.
- **Security Research** — FortiGuard Labs have discovered over 170 unique zero-day vulnerabilities to date, totaling millions of automated signature updates monthly.
- **Validated Security Intelligence** — Based on FortiGuard intelligence, Fortinet's network security platform is tested and validated by the world's leading third-party testing labs and customers globally.



For more information, please refer to <http://forti.net/guard>

FortiCare™ Support Services

Our FortiCare customer support team provides global technical support for all Fortinet products. With support staff in the Americas, Europe, Middle East and Asia, FortiCare offers services to meet the needs of enterprises of all sizes:

- **Enhanced Support** — For customers who need support during local business hours only.
- **Comprehensive Support** — For customers who need around-the-clock mission critical support, including advanced exchange hardware replacement.
- **Premium Services** — For global or regional customers who need an assigned Technical Account Manager, enhanced service level agreements, extended software support, priority escalation, on-site visits and more.
- **Professional Services** — For customers with more complex security implementations that require architecture and design services, implementation and deployment services, operational services and more.



For more information, please refer to <http://forti.net/care>

SPECIFICATIONS

FORTIGATE 3240C	
Interfaces and Modules	
Total Network Interfaces	30
Hardware Accelerated 10 GE SFP+ Interfaces	12
Hardware Accelerated 1 GE SFP Interfaces	16
Non-Accelerated 10/100/1000 Interfaces	2
Transceivers Included	2x SFP+ (SR 10 GE)
Local Solid State Disk Storage Included	64 GB SSD
USB Interfaces (Client / Server)	1 / 1
RJ45 Serial Console	1
System Performance and Capacity	
Firewall Throughput (1518 / 512 / 64 byte UDP packets)	40 / 40 / 40 Gbps
Firewall Latency (64 byte UDP packets)	4 µs
Firewall Throughput (Packets Per Second)	60 Mpps
Concurrent Sessions (TCP)	10 Million
New Sessions/Second (TCP)	200,000
Firewall Policies	100,000
IPsec VPN Throughput (512 byte packets)	17 Gbps
Gateway-to-Gateway IPsec VPN Tunnels	10,000
Client-to-Gateway IPsec VPN Tunnels	64,000
SSL-VPN Throughput	3.4 Gbps
Concurrent SSL-VPN Users (Recommended Maximum)	30,000
IPS Throughput	8 Gbps
Antivirus Throughput	2.6 Gbps
CAPWAP Clear-text Throughput (HTTP)	5.60 Gbps
Virtual Domains (Default / Maximum)	10 / 500
Maximum Number of FortiAPs (Total / Tunnel Mode)	4,096 / 1,024
Maximum Number of FortiTokens	5,000
Maximum Number of Registered FortiClients	20,000
High Availability Configurations	Active/Active, Active/Passive, Clustering
Unlimited User Licenses	Yes

FORTIGATE 3240C	
Dimensions and Power	
Height x Width x Length (inches)	3.5 x 17.4 x 21.9
Height x Width x Length (mm)	88 x 442 x 555
Weight	40 lbs (18.2 kg)
Rack Mountable	Ears + Rails (Optional)
AC Power Supply	100–240V AC, 50–60 Hz, 3.50–1.75 A (Maximum)
Power Consumption (Average / Maximum)	315 W / 378 W
Heat Dissipation	1290 BTU/h
DC Power Supply (FG-3240C-DC)	-48V VDC
Redundant Power Supplies (Hot Swappable)	Yes
Operating Environment and Certifications	
Operating Temperature	32–104°F (0–40°C)
Storage Temperature	-31–158°F (-35–70°C)
Humidity	20–90% non-condensing
Operating Altitude	Up to 7,400 ft (2,250 m)
Compliance	FCC Part 15 Class A, C-Tick, VCCI, CE, UL/cUL, CB
Certifications	ICSA Labs: Firewall, IPsec, IPS, Antivirus, SSL-VPN

Note: All performance values are “up to” and vary depending on system configuration. Antivirus performance is measured using 44 Kbyte HTTP files. IPS performance is measured using 1 Mbyte HTTP files. IPsec VPN performance is based on 512 byte UDP packets using AES-256+SHA1. Antivirus Throughput is measured in proxy mode.

For complete, up-to-date and detailed feature set, please refer to the Administration Handbook and FortiOS Datasheet.

ORDER INFORMATION

Product	SKU	Description
FortiGate 3240C	FG-3240C	12x 10 GE SFP+ slots, 16x SFP slots, 2x GE RJ45 ports, FortiASIC NP4 and CP8 hardware accelerated, 64 GB SSD onboard storage, and dual AC power supplies.
FortiGate 3240C-DC	FG-3240C-DC	12x 10 GE SFP+ slots, 16x SFP slots, 2x GE RJ45 ports, FortiASIC NP4 and CP8 hardware accelerated, 64 GB SSD onboard storage, and dual DC power supplies.
Optional Accessories		
1 GE SFP LX Transceiver Module	FG-TRAN-LX	1 GE SFP LX transceiver module for all systems with SFP and SFP/SFP+ slots.
1 GE SFP RJ45 Transceiver Module	FG-TRAN-GC	1 GE SFP RJ45 transceiver module for all systems with SFP and SFP/SFP+ slots.
1 GE SFP SX Transceiver Module	FG-TRAN-SX	1 GE SFP SX transceiver module for all systems with SFP and SFP/SFP+ slots.
10 GE SFP+ Transceiver Module, Short Range	FG-TRAN-SFP+SR	10 GE SFP+ transceiver module, short range for all systems with SFP+ and SFP/SFP+ slots.
10 GE SFP+ Transceiver Module, Long Range	FG-TRAN-SFP+LR	10 GE SFP+ transceiver module, long range for all systems with SFP+ and SFP/SFP+ slots.
AC Power supply	SP-FG3600C-PS	AC power supply for FG-3600C and FG-3240C.



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